

15541 U.S. PTO  
07/10/03

**PATENT APPLICATION**

Mail Stop Patent Application  
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P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450  
Sir:

16591 U.S. PTO  
10/617231  
07/10/03

Enclosed herewith for filing is the following utility patent application.

Applicants: **JOHN BENJAMIN SOUTHALL, THEODORE ARMAND CAMUS,  
DAVID HIRVONEN**

Title of application: **METHOD AND APPARATUS FOR REFINING TARGET  
POSITION AND SIZE ESTIMATES USING IMAGE AND DEPTH DATA**

Pages of specification: 17 (including 6 pages of claims and  
1 page abstract)

Sheets of drawings: 7

Executed on: 7/5/03

Docket No.: **SAR 14884**

PATENT APPLICATION FILING FEE CALCULATION				
	No. Filed	Less	Rate/Claim	Fee
Total Claims	24	-20	4 x \$ 18.00	\$ 72.00
Independent Claims	3	-3	0 x \$ 84.00	\$ 0.00
Minimum Filing Fee				\$750.00
Multiple Dependency Fee (if applicable - \$270.00)				\$
50% Reduction for Small Entity (Independent Inventor, Non-profit Corporation, or Small Business Concern) - appropriate verified statement attached				- \$
TOTAL FILING FEE				<u>\$822.00</u>

Kindly charge the entire and/or any additional filing fee,  
as appropriate, to deposit account number 04-0203. To facilitate  
that charge, a duplicate copy of this letter is enclosed herewith

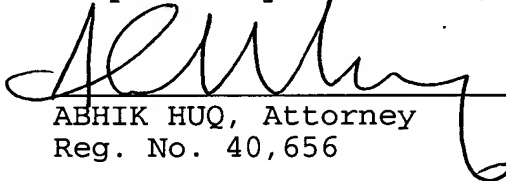
Kindly send all correspondence relating to this application  
to the following address having a Customer number: **28166**

Moser, Patterson & Sheridan, LLP  
595 Shrewsbury Avenue, Suite 100  
Shrewsbury, NJ 07702

Also enclosed herewith for filing in connection with the enclosed application are:

- ☐ Oath;  
☒ Declaration and Power of Attorney;  
☐ Disclosure Statement;  
☐ Letter referencing previously filed disclosure document; number \_\_\_\_\_ filed \_\_\_\_\_;  
☐ Verified Statement claiming small entity status;  
☒ An assignment of the application to: Sarnoff Corporation;  
☐ A certified copy of a \_\_\_\_\_ patent application or inventor's certificate, filed \_\_\_\_\_ and serial no. \_\_\_\_\_, upon which a claim to priority is made;  
☐ Other: \_\_\_\_\_

Respectfully submitted,

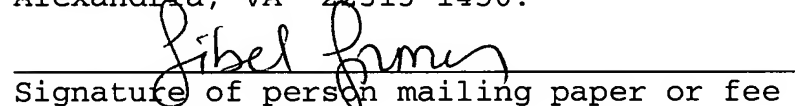
  
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**\*\*\*EXPRESS MAIL CERTIFICATION\*\*\***

"Express Mail" mailing label number: EU 906614749 US  
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I hereby certify that this patent application and related papers is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Signature of person mailing paper or fee

Sibel Gizmen  
Name of person mailing paper or fee

**UNITED STATES PATENT APPLICATION FOR:**

**METHOD AND APPPARATUS FOR REFINING TARGET POSITION AND SIZE  
ESTIMATES USING IMAGE AND DEPTH DATA**

**INVENTORS:**

**JOHN BENJAMIN SOUTHALL  
THEODORE ARMAND CAMUS  
DAVID HIRVONEN**

**ATTORNEY DOCKET NUMBER: SAR 14884**

**CERTIFICATION OF MAILING UNDER 37 C.F.R. 1.10**

I hereby certify that this New Application and the documents referred to as enclosed therein are being deposited with the United States Postal Service on 7/10/03, in an envelope marked as "Express Mail United States Postal Service", Mailing Label No. EA 906 61474965, addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Signature

Name

Date of signature

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